

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* STN Columbus \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*

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FILE 'HOME' ENTERED AT 16:55:35 ON 23 MAY 2006

=> index all  
FILE 'ALUMINIUM' IS TEMPORARILY UNAVAILABLE  
ENTER A FILE NAME OR (IGNORE):ignore  
FILE 'ENCOMPLIT2' ACCESS NOT AUTHORIZED  
FILE 'ENCOMPPAT2' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 0.21 0.21

INDEX '1MOBILITY, 2MOBILITY, ABI-INFORM, ADISCTI, AEROSPACE, AGRICOLA, ANABSTR, ANTE, APOLLIT, AQUALINE, AQUASCI, AQUIRE, BABS, BIBLIODATA, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CEABA-VTB, CERAB, CHEMINFORMRX, ...' ENTERED AT 16:55:47 ON 23 MAY 2006

136 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0\* with SET DETAIL OFF.

=> s (nucleic or oligonucleotide or polynucleotide or DNA or RNA) (p) (label? or conjugat?) (p) na  
1 FILE ABI-INFORM  
10 FILE ANABSTR  
0\* FILE ANTE  
1\* FILE APOLLIT  
0\* FILE AQUALINE  
3\* FILE BABS  
0\* FILE BIBLIODATA  
7\* FILE BIOENG  
25 FILE BIOSIS  
<-----User Break----->

=> s (nucleic or oligonucleotide or polynucleotide or DNA or RNA) (10a) (label? or conjugat?) (10a)  
2 FILE ANABSTR  
1 FILE BABS  
2 FILE BIOSIS  
8 FILE BIOTECHABS  
17 FILES SEARCHED...  
8 FILE BIOTECHDS  
3 FILE BIOTECHNO  
20 FILE CAPLUS  
1 FILE CASREACT  
1 FILE CEABA-VTB  
26 FILES SEARCHED...  
4 FILE COMPENDEX  
1 FILE CONFSCI  
<-----User Break----->

=> file caplus biosis  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 4.88 5.09

FILE 'CAPLUS' ENTERED AT 17:00:17 ON 23 MAY 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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FILE 'BIOSIS' ENTERED AT 17:00:17 ON 23 MAY 2006  
Copyright (c) 2006 The Thomson Corporation

=> s (nucleic or oligonucleotide or polynucleotide or DNA or RNA) (10a) (label? or conjugat?) (10a)  
L1 22 (NUCLEIC OR OLIGONUCLEOTIDE OR POLYNUCLEOTIDE OR DNA OR RNA)  
(10A) (LABEL? OR CONJUGAT?) (10A) NANOPARTICLE (10A) (SEVERAL

OR MULTIPL? OR DUAL OR DOUBL?)

=> dup remove 11  
PROCESSING COMPLETED FOR L1  
L2 20 DUP REMOVE L1 (2 DUPLICATES REMOVED)

=> d ti 1-20

L2 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Photoelectrochemical Oxidation of DNA by Ruthenium Tris(bipyridine) on a Tin Oxide Nanoparticle Electrode

L2 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Localization of laser energy conversion by metal nanoparticles: basic effects and applications

L2 ANSWER 3 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Glass-bead-based parallel detection of DNA using composite raman labels

L2 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Gold nanostructures for DNA conjugation and radiation enhancement

L2 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Magnetic nanoparticles comprising metals and semiconductor atoms conjugated to siRNA or microRNA for diagnosis and therapy of diseases

L2 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI SERRS beacon dual labeled oligonucleotide probes for nucleic acid sequence identification and diagnostic applications

L2 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Nanoparticle-DNA conjugates bearing a specific number of short DNA strands by enzymatic manipulation of nanoparticle-bound DNA

L2 ANSWER 8 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Trends in the analytical transduction of bioaffinity based molecular recognition events

L2 ANSWER 9 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Model and experiment of detecting multiple magnetic nanoparticles as biomolecular labels by spin valve sensors

L2 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI DNA-Based Programmed Assembly of Gold Nanoparticles on Lithographic Patterns with Extraordinary Specificity

L2 ANSWER 11 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Amplified electrical transduction of DNA hybridization based on polymeric beads loaded with multiple gold nanoparticle tags

L2 ANSWER 12 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Sequence-specific electrochemical recognition of multiple species using nanoparticle labels

L2 ANSWER 13 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Nanoparticle probes: the next generation molecular diagnostic indicators

L2 ANSWER 14 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Raman-dye-labeled nanoparticle probes for DNA, RNA and protein detection

L2 ANSWER 15 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Raman-dye-labeled nanoparticle probes for DNA, RNA and Protein Detection

L2 ANSWER 16 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Nanoparticles with Raman spectroscopic fingerprints for DNA and RNA detection

L2 ANSWER 17 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1  
TI \*\*\*Multiple\*\*\* thiol-anchor capped \*\*\*DNA\*\*\* -gold  
\*\*\*nanoparticle\*\*\* \*\*\*conjugates\*\*\*

L2 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 2

TI Nanoparticles with Raman spectroscopic fingerprints for DNA and RNA detection

L2 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI \*\*\*Oligonucleotide\*\*\* - \*\*\*nanoparticle\*\*\* \*\*\*conjugates\*\*\* with  
\*\*\*multiple\*\*\* anchor groups

L2 ANSWER 20 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Fullerene-oligonucleotide conjugates: photoinduced sequence-specific DNA cleavage, interaction with poly(alkylcyanoacrylate) nanoparticles and biological activity

=> d bib kwic 6 11

L2 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:182910 CAPLUS  
DN 142:274986  
TI SERRS beacon dual labeled oligonucleotide probes for nucleic acid sequence identification and diagnostic applications  
IN Graham, Duncan; Smith, William Ewen; Fruk, Ljiljana  
PA University of Strathclyde, UK  
SO PCT Int. Appl., 70 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005019812	A1	20050303	WO 2004-GB3671	20040826
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW		
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		

PRAI GB 2003-19949 A 20030826  
OS MARPAT 142:274986  
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT Films  
\*\*\*Nanoparticles\*\*\*  
(immobilization support; SERRS beacon \*\*\*dual\*\*\* \*\*\*labeled\*\*\*  
\*\*\*oligonucleotide\*\*\* probes for \*\*\*nucleic\*\*\* acid sequence  
identification and diagnostic applications)

IT 77-92-9D, reaction products with silver 7440-22-4D, Silver, reaction  
products with citrate  
RL: ARU (Analytical role, unclassified); DEV (Device component use); ANST  
(Analytical study); USES (Uses)  
( \*\*\*nanoparticles\*\*\* ; SERRS beacon \*\*\*dual\*\*\* \*\*\*labeled\*\*\*  
\*\*\*oligonucleotide\*\*\* probes for \*\*\*nucleic\*\*\* acid sequence  
identification and diagnostic applications)

L2 ANSWER 11 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:124191 CAPLUS  
DN 141:170119  
TI Amplified electrical transduction of DNA hybridization based on polymeric beads loaded with multiple gold nanoparticle tags  
AU Abdel-Nasser, Kawde; Wang, Joseph  
CS Department of Chemistry and Biochemistry, New Mexico State University, Las Cruces, NM, 88003, USA  
SO Electroanalysis (2004), 16(1-2), 101-107  
CODEN: ELANEU; ISSN: 1040-0397  
PB Wiley-VCH Verlag GmbH & Co. KGaA  
DT Journal  
LA English  
RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD

## ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 7440-57-5, Gold, analysis  
 RL: ARU (Analytical role, unclassified); ANST (Analytical study)  
 (biotin- \*\*\*labeled\*\*\* ; amplified elec. transduction of \*\*\*DNA\*\*\*  
 hybridization based on polymeric beads loaded with \*\*\*multiple\*\*\*  
 gold \*\*\*nanoparticle\*\*\* tags)

=> d bib 14

L2 ANSWER 14 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2003:666562 CAPLUS  
 TI Raman-dye-labeled nanoparticle probes for DNA, RNA and protein detection  
 AU Mirkin, Chad A.; Cao, Y. Charles; Jin, Rongchao  
 CS Department of Chemistry and Institute for Nanotechnology, Northwestern  
 University, Evanston, IL, 60208, USA  
 SO PMSE Preprints (2003), 89, 126  
 CODEN: PPMRA9; ISSN: 1550-6703  
 PB American Chemical Society  
 DT Journal; (computer optical disk)  
 LA English

=> d bib kwic 17 19

L2 ANSWER 17 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1  
 AN 2002:317810 CAPLUS  
 DN 137:140724  
 TI \*\*\*Multiple\*\*\* thiol-anchor capped \*\*\*DNA\*\*\* -gold  
 \*\*\*nanoparticle\*\*\* \*\*\*conjugates\*\*\*  
 AU Li, Zhi; Jin, Rongchao; Mirkin, Chad A.; Letsinger, Robert L.  
 CS Department of Chemistry and Institute for Nanotechnology, Northwestern  
 University, Evanston, IL, 60208, USA  
 SO Nucleic Acids Research (2002), 30(7), 1558-1562  
 CODEN: NARHAD; ISSN: 0305-1048  
 PB Oxford University Press  
 DT Journal  
 LA English  
 OS CASREACT 137:140724  
 RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT  
 TI \*\*\*Multiple\*\*\* thiol-anchor capped \*\*\*DNA\*\*\* -gold  
 \*\*\*nanoparticle\*\*\* \*\*\*conjugates\*\*\*

L2 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2001:638227 CAPLUS  
 TI \*\*\*Oligonucleotide\*\*\* - \*\*\*nanoparticle\*\*\* \*\*\*conjugates\*\*\* with  
 \*\*\*multiple\*\*\* anchor groups  
 AU Li, Zhi; Jin, Rongchao; Mirkin, Chad A.; Letsinger, Robert L.  
 CS Chemistry Department and Center for Nanofabrication and Molecular  
 Self-assembly, Northwestern University, Evanston, IL, 60208, USA  
 SO Abstracts of Papers, 222nd ACS National Meeting, Chicago, IL, United  
 States, August 26-30, 2001 (2001), COLL-191 Publisher: American Chemical  
 Society, Washington, D. C.  
 CODEN: 69BUZP  
 DT Conference; Meeting Abstract  
 LA English  
 TI \*\*\*Oligonucleotide\*\*\* - \*\*\*nanoparticle\*\*\* \*\*\*conjugates\*\*\* with  
 \*\*\*multiple\*\*\* anchor groups